

MK20DN512ZVMB10



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Part Number: [MK20DN512ZVMB10](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 81BGA

Data sheet:  [K20_ZLK/ZMB10 Datasheet](#)
 [K2x USB MCU Family Fact Sheet](#)
 [K20_ZLK/ZMB10 Ref Manual](#)

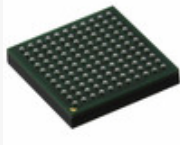
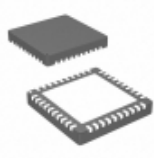
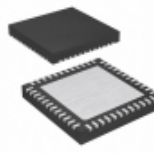
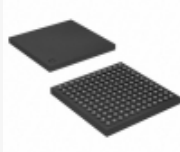
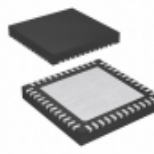
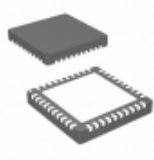
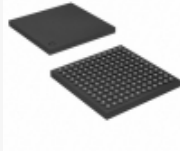
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK20DN512ZVMB10	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 81BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12547 pcs	Data sheet	K20_ZLK/ZMB10 Datasheet K2x USB MCU Family Fact 8B0eZLK/ZMB10 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	81-MAPBGA (10x10)	Speed	100MHz
Series	Kinetis K20	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	81-LBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 81-MAPBGA (10x10)	Data Converters	-
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG	Base Part Number	MK20DN512
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